

DURA INDUSTRIAL H₂YDRO DIP BLACK, GREY AND RED DI034

PRODUCT CODE:	HYDRO BLACK DIP 200LT	: HYDPRIMDIP (200)
	HYDRO GREY DIP 200LT	: HYDGRYDIP(200)
	HYDRO RED DIP 200LT	: HYDREDDIP(200)

PRODUCT DESCRIPTION: A cross-linking, low odour, water based dipping coating. It is recommended for dipping de-greased steel. *Hydro Dip* is water-based and non- flammable.

INTENDED USES: A high performance water- based coating for industrial steel dipping applications that replaces and outperforms solvent based coatings such as QD Red Oxide. Hydro Dip incorporates latest generation technology in pure acrylic, adhesion promoted, non-yellowing, UV stable binders.

FEATURES: Hydro Dip has been specifically developed for use by scaffolding companies, structural steel fabricators and fencing/ palisade manufacturers, who operate dip tanks. A high quality alternative to solvent- based alkyds. Water based, low odour, non-flammable and UV stable. Hydro Dip has twice the volume solids of most solvent based dipping primers.

PRODUCT INFORMATION:	• APPEARANCE	Semi-Gloss.
	• COLOUR	Black, Grey and Red
	• SOLID CONTENT	34% by mass (typical) 32% by volume (typical)
	• S G @ 25°C	1.04 (typical)
	• RECOMMENDED DFT	MIN : 15 µm MAX: 30m
	• PRACTICAL SPREADING RATE @25 micron	10 - 12 m². (dependant on substrate and application thickness (DFT)
	• VISCOSITY @ 25°C	15 to 18 seconds FC 4

APPLICATION DETAILS:	• MIXING	Stir thoroughly with a flat paddle before adding to dip tank. Recirculate continually with a re circulation pump whilst tank is in operation. Ensure product return line is below the surface to reduce aeration.
	• METHOD	Dipping only.
	• THINNING	Not recommended. Addition of water will reduce hiding, increase drying times and may cause flash rusting.
	• CLEANING	Water
	• SUBSTRATE	Clean, degreased steel.
	• APPLICATION ENVIRONMENT	

Surface Temp	Ambient Temp	Relative Humidity
Min 10°C or 2°C above dew point	Min 10°C or 2°C above dew point	Min: 10%
Max : 40°C	Max : 40°C	Max : 85%

• DRYING TIME	Touch dry	30 min @ 25°C
	Dry to handle	1 hours @ 25°C
	Overcoating	2 hours @ 25°C

Applying this product outside of these parameters may result in white spots or product failure which is beyond the control of the manufacturer. Drying times will increase in winter.

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Packaging. 200lt open top steel drum.
- Shelf life. 12 months from date of manufacture when correctly stored and unopened.

TECHNICAL DATA SHEET

DURA INDUSTRIAL H₂YDRO DIP BLACK, GREY AND RED (cont.)

TRANSPORTATION:

SHIPPING NAME:	Not classified
PACKAGING GROUP:	Not classified
HAZARD CLASS:	4-H-C
S.I.N/UN NUMBER:	Not classified dangerous for transport

SURFACE PREPARATION:

Ensure surface is dry and free from rust, dirt, dust, chalking, oil, grease and any other contamination before painting.

Unpainted Substrate:

Mild Steel.

- Degrease with **ProLong Grease Devil** and rinse thoroughly with water.
- Dip once or twice depending on required Dry Film Thickness (DFT).

Previously painted substrate

- Remove all loose and flaking paint by scrapping, sanding, hydro blasting, or sandblasting - allow to dry. Clean with **ProLong Grease Devil** to remove all contaminants. Rinse off with potable water.

Dip once or twice depending on required Dry Film Thickness (DFT).

APPLICATION:

Dip product once or twice to achieve required DFT. Stir drum before adding to dip tank-do not thin. Dip only.

CAUTIONS:

- Avoid painting during inclement weather or if temperature is below 10°C.
- For optimum performance a practical recommended spreading rate of 10 m² / l should not be exceeded.
- Do not add water to this product as it will increase the drying time, reduce hiding and may cause flash rusting.
- Never add thinners/solvent to this product.
- **Do not clean surface to be painted with solvent/solvent based products. De-Grease with ProLong Grease Devil.**
- **Dip tanks need to be cleaned on a regular basis to remove sludge and contaminants. Failure to do so may result in product failure which is beyond the control of the manufacturer.**

SAFETY PRECAUTIONS:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact with eyes rinse immediately with plenty of water and seek medical advice if symptoms persist. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.
- Refer to Material Safety Data Sheet for complete information. See www.durapaints.co.za.

DISCLAIMER:

- *The recommendations contained herein are given in good faith and are meant to guide the specifier or the user.*
- *They are based on results gained from our experiences and tests and are believed to be reliable.*
- *No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.*
- *Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See www.durapaints.co.za.*